



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/613,736	07/03/2003	Arthur M. Krieg	C1037.70044US00	4723

7590 09/22/2006

Maria A. Trevisan  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, MA 02210

EXAMINER

OGUNBIYI, OLUWATOSIN A

ART UNIT	PAPER NUMBER
----------	--------------

1645

DATE MAILED: 09/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**UNITED STATES DEPARTMENT OF COMMERCE****U.S. Patent and Trademark Office**

Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
---------------------------------	-------------	---------------------------------------------------	---------------------

10/613 736

EXAMINER

OLUWATOSIN OGUNBIYI

ART UNIT

PAPER

10613736

DATE MAILED:

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner for Patents**

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). A computer readable form (CRF) of the sequence listing was submitted. However, the CRF could not be processed by the Scientific and Technical Information Center (STIC) for the reason(s) set forth on the attached CRF Diskette Problem Report.

Applicant is given ONE MONTH, or THIRTY DAYS, whichever is longer, from the mailing date of this letter within which to comply with the sequence rules, 37 CFR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). In no case may an applicant extend the period for reply beyond the SIX MONTH statutory period. Direct the reply to the undersigned. Applicant is requested to return a copy of the attached CRF Diskette Problem Report with the reply.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Oluwatosin Ogunbiyi whose telephone number is (571) 272-9939.

Examiner:  
Oluwatosin Ogunbiyi

*Pat A Duffy*  
**PATRICIA A. DUFFY**  
**PRIMARY EXAMINER**

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/613, 736A  
Source: LEW/16  
Date Processed by STIC: 08/01/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFW16

## RAW SEQUENCE LISTING

DATE: 08/01/2006

PATENT APPLICATION: US/10/613,736A

TIME: 13:53:27

Input Set : A:\C1037.70044US00.txt; Revised SEQ listing.txt

Output Set: N:\CRF4\08012006\J613736A.raw

4 <110> APPLICANT: KRIEG, ARTHUR M  
 6 <120> TITLE OF INVENTION: NUCLEIC ACID COMPOSITIONS FOR STIMULATING IMMUNE RESPONSES  
 8 <130> FILE REFERENCE: C1037.70044US00  
 10 <140> CURRENT APPLICATION NUMBER: US 10/613,736A  
 11 <141> CURRENT FILING DATE: 2003-07-03  
 13 <150> PRIOR APPLICATION NUMBER: US 60/394,164  
 14 <151> PRIOR FILING DATE: 2002-07-03  
 16 <160> NUMBER OF SEQ ID NOS: 26  
 18 <170> SOFTWARE: PatentIn version 3.2

Does Not Comply  
Corrected Diskette Needed

CPG-1,2,3,4

## ERRORED SEQUENCES

328 <210> SEQ ID NO: 24  
 329 <211> LENGTH: 10  
 330 <212> TYPE: DNA  
 331 <213> ORGANISM: Artificial sequence  
 333 <220> FEATURE:  
 335 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 337 <400> SEQUENCE: 24

E--&gt; 338

tttttttcga

> see page-3

10

341 <210> SEQ ID NO: 25  
 342 <211> LENGTH: 26  
 343 <212> TYPE: DNA  
 344 <213> ORGANISM: Artificial sequence  
 346 <220> FEATURE:  
 348 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 351 <220> FEATURE:  
 352 <221> NAME/KEY: misc\_feature  
 353 <222> LOCATION: (4)..(23)  
 354 <223> OTHER INFORMATION: n is a, c, g, or t; and any 0-20 may be absent  
 356 <400> SEQUENCE: 25

E--&gt; 357 gggggggggggg nnnnnnnnnnnn nnnnggg

360 <210> SEQ ID NO: 26  
 361 <211> LENGTH: 49  
 362 <212> TYPE: DNA  
 363 <213> ORGANISM: Artificial sequence  
 365 <220> FEATURE:  
 367 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 370 <220> FEATURE:  
 371 <221> NAME/KEY: misc\_feature  
 372 <222> LOCATION: (4)..(23)  
 373 <223> OTHER INFORMATION: n is a, c, g, or t; and any 0-20 may be absent

26

RAW SEQUENCE LISTING

DATE: 08/01/2006

PATENT APPLICATION: US/10/613,736A

TIME: 13:53:28

Input Set : A:\C1037.70044US00.txt; Revised SEQ listing.txt

Output Set: N:\CRF4\08012006\J613736A.raw

375 <220> FEATURE:

376 <221> NAME/KEY: misc\_feature

377 <222> LOCATION: (27)..(46)

378 <223> OTHER INFORMATION: n is a, c, g, or t; and any 0-20 may be absent

381 <400> SEQUENCE: 26

E--> 382 gggnnnnnnnn nnnnnnnnnn nnngggnnnn nnnnnnnnnn nnnnnnggg

49

10/6/13, 736 A

pg-3

<210> 24  
<211> 10  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 24  
tttttttcga

10

13

↘ P/s delete

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/613,736A

DATE: 08/01/2006  
TIME: 13:53:29

Input Set : A:\C1037.70044US00.txt; Revised SEQ listing.txt  
Output Set: N:\CRF4\08012006\J613736A.raw

FYI

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:24; Line(s) 338

## VERIFICATION SUMMARY

DATE: 08/01/2006

PATENT APPLICATION: US/10/613,736A

TIME: 13:53:29

Input Set : A:\C1037.70044US00.txt; Revised SEQ listing.txt

Output Set: N:\CRF4\08012006\J613736A.raw

L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:191 M:283 W: Missing Blank Line separator, <220> field identifier  
L:338 M:254 E: No. of Bases conflict, LENGTH:Input:13 Counted:10 SEQ:24  
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:357 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:26 SEQ:25  
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:382 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:49 SEQ:26